

XINGHANG

Smart Metering



Smart Water Management Effortless Water Meter Reading



Application Standards

XINGHANG
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LWHD-01

Application

LWHD-01 is a handheld unit which supports data reading & device control through Reelink protocol, meanwhile it maintains all the LoRaWAN function.

- AMR-meter reading automatically
- LoRaWAN network deployment plan
- Environment noise floor scan
- LoRaWAN gateway coverage evaluation

Main Technical Specifications

Wireless Communication

LPWAN Network connection	LoRa; Used for LoRaWAN, Reelink protocol support
WLAN Wireless	BLE; Used for Connection with Smart phone APP

LoRa RF specification

Frequency	LoRa low frequency band:433MHz~510MHz; LoRa high frequency band:862MHz~960MHz; Support global LoRaWAN frequency band
Max Output power	20dBm
RX sensitivity	-134dBm@SF12/125KHz
Antenna type	External Rubber Antenna
Antenna Gain	Peak 1dBi@868/915MHz, 1dBi @470MHz

Environmental specification

Operating Temperature	-20~55°C
Storage Temperature	-40~85°C
Operating relative Humidity	5~95%RH, No Condensation
ESD class	Air Discharge: ± 8kV Contact Discharge: ± 4kV

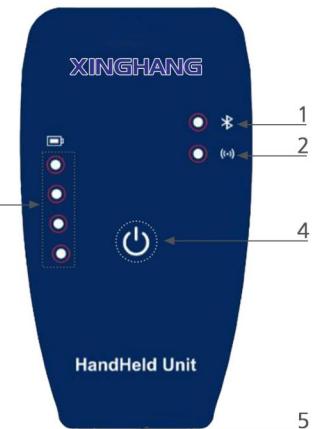
User interface

LEDs	4*Green LEDs for battery status indication; 1*Blue LED for Bluetooth status indication; 1*Red LED for LoRa status indication.
Button	1*Tactile switch
Type-C USB	For battery recharge, 5V USB
Battery lifespan	2 days normal use; 1 year battery life time in standby mode.

Mechanical data

Dimension	100mmx60mmx17mm
Weight	65g with battery

Use Flow



- 1 - 1*Blue LED for Bluetooth
- 2 - 1*Red LED for LoRa
- 3 - 4*Green LEDs for battery status
- 4 - 1*Tactile switch
- 5 - Type C USB